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WP-82



请使用翻译作用于这页底部以翻译页对汉语。

TPS Australia - Quality hand-made instruments since 1968.

WP-82 Waterproof Dissolved Oxygen - Temperature Meter



[Full Size Image](#)

The WP-82 uses the low-cost TPS ED1 Dissolved Oxygen sensor

- ◆ *Rugged and Waterproof*
- ◆ *User-friendly*
- ◆ *Calendar Clock*
- ◆ *Good Laboratory Practices*
- ◆ *2400 Reading Notepad*
- ◆ *Automatic Datalogging*
- ◆ *RS232 Serial Port Interface*
- ◆ *Multiple Power Options*
- ◆ *Australian Made*

The WP series enclosure is fully waterproof to IP67 rating. The connectors are rated to IP65. The case, keypad and connectors are designed for maximum durability in the harshest conditions. The WP Series is equally at home in laboratory, field or industrial environments.

The 32 character alphanumeric display features a user-friendly menu system. This guides the user through every step of operation. Full text prompting and error messages are provided. Calibration and set-up are a breeze with the WP Series.

The Calendar Clock can be displayed continuously along with the data. The date and time are recorded with every reading, when using the Notepad and AutoLog functions.

To comply with Good Laboratory Practices (GLP) standards, the WP Series store the date, time and results of the last calibration. This information can be recalled when required. All readings stored in memory are stamped with the date and time.

To reduce errors when recording readings, the WP Series has a 2400 reading Notepad. At the touch of a button, readings can be recorded into memory, along with the date and time. This is especially useful when taking readings in wet environments.

Program the AutoLog function to automatically log readings into memory. Simply set the logging interval from 1 minute to 24 hours, start logging and walk away. The WP Series can log up to 2400 readings, along with the date and time.

The WP Series has RS232 serial port interface. All readings stored in memory and GLP information can be downloaded to a PC or printer. The RS232 serial port also allows the AutoLog function to log directly to a PC or printer. WinTPS Windows software allows the WP Series to communicate with a PC for data download.

The WP Series is supplied with a rechargeable NiMH battery and charger as standard. Chargers for all countries are available. For extended field trips a solar panel, or a charger lead for a car cigarette lighter socket are also available.

The WP Series is proudly designed and manufactured in Australia. Our aim is to provide you with the best quality, service and value for money. The TPS Quality System has been certified in accordance with the AS/NZS ISO 9001 standard. Since 1968, TPS has built a reputation for excellent backup service that is second to none. Compare the list of features with the competition. The WP Series sets a new standard for handheld instruments.

Specifications

ppM (mg/L)

Range : 0 to 20.00 ppM
 Resolution : 0.01 ppM
 Accuracy : +/-0.2% of full scale

% Saturation

Range : 0 to 240.0 %Sat'n
 Resolution : 0.1 %Sat'n
 Accuracy : +/-0.3 %Sat'n

% Gaseous

Range : 0 to 45.0 %Gas
 Resolution : 0.1 %Gas
 Accuracy : +/-0.1 %Gas

Temperature

Range : -10.0 to 120.0 °C
 (sensor limit 45 °C)
 Resolution : 0.1 °C
 Accuracy : +/-0.2 °C

Salinity Correction

User-set, from 0 to 50.0 ppK NaCl

Barometric Pressure Correction

User-set, from 800 to 1100 HPa

Altitude Correction

User-set, from 0 to 5000m

Temperature Compensation

Dual automatic temperature compensation system

Enclosure

Tough, anti-static Luran-S plastic case, waterproof to IP67. Connectors waterproof to IP65. The instrument will float if dropped into water.

Display

32 Character alphanumeric LCD with user-friendly menu system and full-text messages.

Memory

2400 readings, including date and time.

Automatic Logging

User-set for one reading every 1 to 90 seconds, 1 to 90 minutes or 1 to 24 hours.

RS232 Serial Port Output

300, 1200 and 9600 Baud.
 8 Bits, No Parity, 1 Stop Bit, XON/XOFF

Clock

24 Hour Calendar Clock

Battery Saver Function

On : Automatically switches off after 5 minutes of no use.

Off : Unit remains on for continuous use.

Good Laboratory Practices

Date, time and results of last successful calibration are stored, and can be recalled when required. GLP information can be printed or downloaded to PC when the optional RS232 Interface is fitted. Warning of failed calibration is provided.

Power

6V NiMH Rechargeable battery pack for approx 75 hours operation. Battery charger for country of choice supplied. Battery can be charged from any 12V DC source.

Dimensions

187 x 110 x 51 mm

Mass


Instrument only : Approx 440g
 Full Kit : Approx 1.7kg


Environment


Temperature : 0 to 45 °C
 Humidity : 0 to 95% R.H

Ordering Information

	Part No		Part No
WP82 DO2-Temp 1m.....	123147/1	<p>Options and Accessories</p> <p>Dissolved Oxygen Sensor Maintenance: Membrane & filling sol'n kit...123301 Filling Solution only, 45mL....123303 Zero calibrate Sodium Sulphite.123302 BOD Bottle Adaptor (ED1).....123201</p> <p>Computer Interface: Serial cable for computer.....130041 Serial to USB adaptor cable....130087 WinTPS Software for Windows....130086</p> <p>Power options: 12V Solar Panel.....130012 12V Car Cigarette lighter lead.130046 12V Clip lead, separate battery.130052</p> <p>Carry case: Aluminium Carry Case.....130059</p> <p>(Whilst longer cable lengths are available, please note that the maximum submersion depth for the ED1 sensor is 3 metres)</p>	
WP82 DO2-Temp 3m.....	123147/3		
WP82 DO2-Temp 5m.....	123147/5		
<p>1, 3 & 5 metre Options Include</p> <p>1 metre bundle 123147/1: DO2 Sensor - ED1 (no cable)...123400 1m cable for Sensor (ED1)....123228 Sensor Guard (ED1).....123202 Membrane & filling sol'n kit..123301 Manual.....130050</p> <p>3 metre bundle 123147/3: DO2 Sensor - ED1 (no cable)...123400 3m cable for Sensor (ED1)....123230 Sensor Guard (ED1).....123202 Membrane & filling sol'n kit..123301 9V Alkaline Battery130026 Manual.....130050</p> <p>5 metre bundle 123147/5: DO2 Sensor - ED1 (no cable)...123400 5m cable for Sensor (ED1)....123232 Sensor Guard (ED1).....123202 Membrane & filling sol'n kit..123301 9V Alkaline Battery130026 Manual.....130050</p>			


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 [Download the full colour WP Series Brochure \(832KB PDF\).](#)

 [Download the handbook for this instrument.](#)

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If you do not have Adobe Acrobat in your computer, a free Acrobat Reader can be downloaded by clicking on the following link.



WP-82

TPS reserves the right to change any part of this specification without notice.

Version 2.0

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Aqua-DO2

Aqua-DY

WP-82

WP-82Y

90-D

smartCHEM-DO2

microCHEM-DO2

miniCHEM-DO2

proCHEM-D

Web Author : TPS Pty Ltd

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